

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

15. (Currently Amended) : A rotating table apparatus comprising:
- a house which has a gap portion;
 - a driven shaft supported by said housing and driven by an actuator;
 - a rotating table which is rotatably driven by said driven shaft using a cam and cam followers; and
 - oil that is for lubricating said cam and said cam followers and that is contained in said gap portion;
 - wherein said housing has an opposing surface which opposes an end surface of said rotating table,
 - wherein there is a space between said opposing surface and said end surface in a direction along a rotation axis of said rotating table, said space being between 0.005 mm and 0.2mm,
 - wherein said space is linked with said gap portion and a portion of said oil flows from said gap portion into said space while said rotating table is stopped, and
 - wherein oscillation of said rotating table in the stopped position is promptly attenuated.
16. (Cancelled)

17. (Currently Amended) : A rotating table apparatus according to ~~ε~~ Claim 15, wherein said cam is a roller gear cam and said rotating table intermittently rotates.
18. (Currently Amended) : A rotating table apparatus according to ~~ε~~ Claim 17, wherein a tool is provided in said rotating table.
19. (Currently Amended) : A rotating table apparatus according to Claim 17, wherein said rotating table is provided with a chuck for chucking a workpiece which is the object to be processed. ~~to process an object.~~
20. (New) : A rotating table apparatus according to Claim 15, further comprising a seal provided between said table and said housing for preventing aid oil from leaking from said gap portion.